

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/986,186

DATE: 03/15/2000
TIME: 14:58:06

INPUT SET: S35051.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Peterson, et al.
6
7 (ii) TITLE OF INVENTION: METHODS FOR GENERATING AND
8 SCREENING NOVEL METABOLIC PATHWAYS
9
10 (iii) NUMBER OF SEQUENCES: 51
11
12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: Pennie & Edmonds
14 (B) STREET: 1155 Avenue of the Americas
15 (C) CITY: New York
16 (D) STATE: NY
17 (E) COUNTRY: USA
18 (F) ZIP: 10036/2711
19
20 (v) COMPUTER READABLE FORM:
21 (A) MEDIUM TYPE: Diskette
22 (B) COMPUTER: IBM Compatible
23 (C) OPERATING SYSTEM: DOS
24 (D) SOFTWARE: FastSEQ Version 2.0
25
26 (vi) CURRENT APPLICATION DATA:
27 (A) APPLICATION NUMBER: 08/986,186
28 (B) FILING DATE:
29 (C) CLASSIFICATION:
30
31 (vii) PRIOR APPLICATION DATA:
32 (A) APPLICATION NUMBER: US/08/639,255
33 (B) FILING DATE: 24-APR-1996
34
35 (A) APPLICATION NUMBER: USSN 08/427,348
36 (B) FILING DATE: 24-APR-1995
37
38 (vii) PRIOR APPLICATION DATA:
39 (A) APPLICATION NUMBER: USSN 08/427,244
40 (B) FILING DATE: 24-APR-1995
41
42
43
44 (viii) ATTORNEY/AGENT INFORMATION:
45 (A) NAME: Coruzzi, Laura A
46 (B) REGISTRATION NUMBER: 30,742

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/986,186DATE: 03/15/2000
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47 (C) REFERENCE/DOCKET NUMBER: 8757-005
48
49 (ix) TELECOMMUNICATION INFORMATION:
50 (A) TELEPHONE: 212-790-9090
51 (B) TELEFAX: 212-869-8864
52 (C) TELEX: 66141 PENNIE
53
54
55 (2) INFORMATION FOR SEQ ID NO:1:
56
57 (i) SEQUENCE CHARACTERISTICS:
58 (A) LENGTH: 23 base pairs
59 (B) TYPE: nucleic acid
60 (C) STRANDEDNESS: single
61 (D) TOPOLOGY: linear
62
63 (ii) MOLECULE TYPE: DNA
64 (ix) FEATURE:
65
66 (A) NAME/KEY: Oligonucleotide "Bead-link-5"
67 (B) LOCATION: 1...23
68 (D) OTHER INFORMATION:
69
70 (A) NAME/KEY: Other
71 (B) LOCATION: 1
72 (D) OTHER INFORMATION: Biotin at nucleotide 1
73
74
75 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
76
77 GCCGACCATT TAAATCGGTT AAT
78
79 (2) INFORMATION FOR SEQ ID NO:2:
80
81 (i) SEQUENCE CHARACTERISTICS:
82 (A) LENGTH: 21 base pairs
83 (B) TYPE: nucleic acid
84 (C) STRANDEDNESS: single
85 (D) TOPOLOGY: linear
86
87 (ii) MOLECULE TYPE: DNA
88 (ix) FEATURE:
89
90 (A) NAME/KEY: Oligonucleotide "Bead-link-3"
91 (B) LOCATION: 1...21
92 (D) OTHER INFORMATION:
93
94 (A) NAME/KEY: Other
95 (B) LOCATION: 1
96 (D) OTHER INFORMATION: Phosphate at nucleotide 1
97
98 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
99

23

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PATENT APPLICATION US/08/986,186DATE: 03/15/2000
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100 TAACCGATTT AAATGGTCGG C 21

101

102 (2) INFORMATION FOR SEQ ID NO:3:

103

104 (i) SEQUENCE CHARACTERISTICS:

105 (A) LENGTH: 44 base pairs

106 (B) TYPE: nucleic acid

107 (C) STRANDEDNESS: single

108 (D) TOPOLOGY: linear

109

110 (ii) MOLECULE TYPE: DNA

111 (ix) FEATURE:

112

113 (A) NAME/KEY: Annealed beadlink oligonucleotide

114 (B) LOCATION: 1...44

115 (D) OTHER INFORMATION:

116

117

118 (A) NAME/KEY: Other

119 (B) LOCATION: 8...15, 31...38

120 (D) OTHER INFORMATION: SmaI restriction

121 endonuclease sites

122

123 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

124

125 GCCGACCATT TAAATCGGTT AATCGGCTGG TAAATTTAGC CAAT 44

126

127 (2) INFORMATION FOR SEQ ID NO:4:

128

129 (i) SEQUENCE CHARACTERISTICS:

130 (A) LENGTH: 12 base pairs

131 (B) TYPE: nucleic acid

132 (C) STRANDEDNESS: single

133 (D) TOPOLOGY: linear

134

135 (ii) MOLECULE TYPE: DNA

136 (ix) FEATURE:

137

138 (A) NAME/KEY: BstXI site

139 (B) LOCATION: 1...12

140 (D) OTHER INFORMATION:

141

142

143 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

144

145 CCACCTAACT GG 12

146

147 (2) INFORMATION FOR SEQ ID NO:5:

148

149 (i) SEQUENCE CHARACTERISTICS:

150 (A) LENGTH: 20 base pairs

151 (B) TYPE: nucleic acid

152 (C) STRANDEDNESS: single

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/986,186DATE: 03/15/2000
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153 (D) TOPOLOGY: linear
154
155 (ii) MOLECULE TYPE: DNA
156 (ix) FEATURE:
157
158 (A) NAME/KEY: Promoter for cDNA and gDNA inserts
159 (B) LOCATION: 1...20
160 (D) OTHER INFORMATION:
161
162 (A) NAME/KEY: Other
163 (B) LOCATION: 10...11
164 (D) OTHER INFORMATION: Promoter site
165
166
167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
168
169 GAGTAGATCT CTCGAGCGGC 20
170
171 (2) INFORMATION FOR SEQ ID NO:6:
172
173 (i) SEQUENCE CHARACTERISTICS:
174 (A) LENGTH: 20 base pairs
175 (B) TYPE: nucleic acid
176 (C) STRANDEDNESS: single
177 (D) TOPOLOGY: linear
178
179 (ii) MOLECULE TYPE: DNA
180 (ix) FEATURE:
181
182 (A) NAME/KEY: Promoter for cDNA and gDNA inserts
183 (B) LOCATION: 1...20
184 (D) OTHER INFORMATION:
185
186 (A) NAME/KEY: Other
187 (B) LOCATION: 10...11
188 (D) OTHER INFORMATION: Promoter site
189
190
191 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
192
193 GCCGCTCGAG AGATCTACTC 20
194
195 (2) INFORMATION FOR SEQ ID NO:7:
196
197 (i) SEQUENCE CHARACTERISTICS:
198 (A) LENGTH: 6 base pairs
199 (B) TYPE: nucleic acid
200 (C) STRANDEDNESS: single
201 (D) TOPOLOGY: linear
202
203 (ii) MOLECULE TYPE: DNA
204 (ix) FEATURE:
205

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206 (A) NAME/KEY: Promoter for cDNA and gDNA inserts
207 (B) LOCATION: 1...6
208 (D) OTHER INFORMATION:

209

210

211 (A) NAME/KEY: Other

212 (B) LOCATION: 5...6

213 (D) OTHER INFORMATION: Promoter site

214

215

216 (A) NAME/KEY: Other

217 (B) LOCATION: 1

218 (D) OTHER INFORMATION: Phosphate at nucleotide 1

219

220

221 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

222

223 GATCTC

6

224

225 (2) INFORMATION FOR SEQ ID NO:8:

226

227 (i) SEQUENCE CHARACTERISTICS:

228 (A) LENGTH: 6 base pairs

229 (B) TYPE: nucleic acid

230 (C) STRANDEDNESS: single

231 (D) TOPOLOGY: linear

232

233 (ii) MOLECULE TYPE: DNA

234 (ix) FEATURE:

235

236 (A) NAME/KEY: Promoter for cDNA and gDNA inserts

237 (B) LOCATION: 1...6

238 (D) OTHER INFORMATION:

239

240

241 (A) NAME/KEY: Other

242 (B) LOCATION: 5...6

243 (D) OTHER INFORMATION: Promoter site

244

245

246 (A) NAME/KEY: Other

247 (B) LOCATION: 1

248 (D) OTHER INFORMATION: Phosphate at nucleotide 1

249

250

251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

252

253 TCGAGA

6

254

255 (2) INFORMATION FOR SEQ ID NO:9:

256

257 (i) SEQUENCE CHARACTERISTICS:

258 (A) LENGTH: 8 base pairs

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/986,186

DATE: 03/15/2000
TIME: 14:58:08

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Line

Error

Original Text